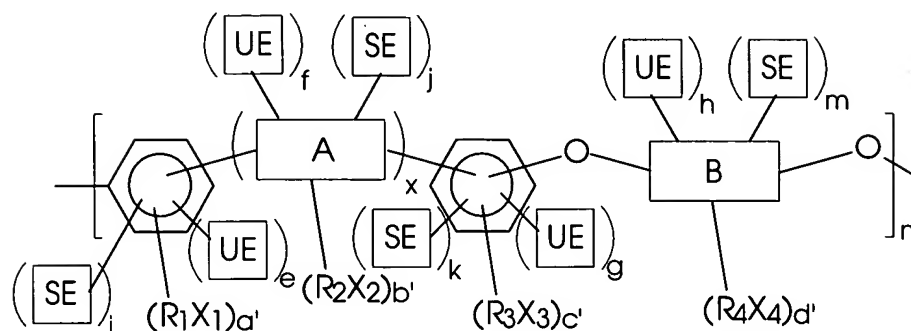
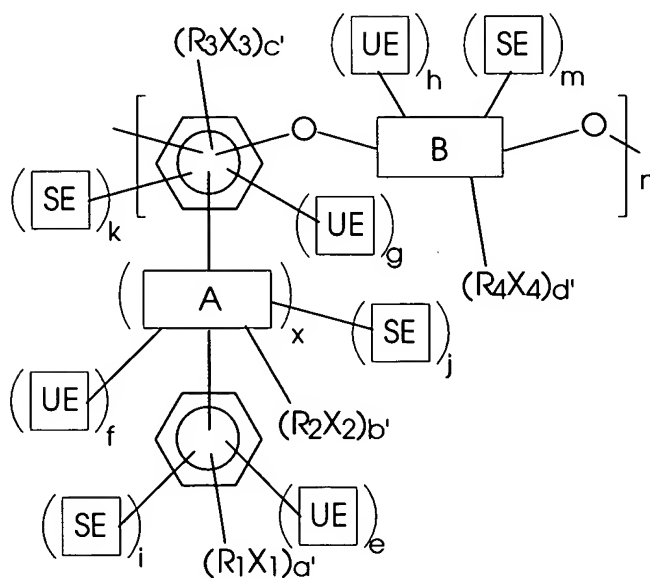


## ABSTRACT OF THE DISCLOSURE

Polymers of the formula



or



wherein  $x$  is 0 or 1,  $R_{1-4}$  are alkyl, aryl, arylalkyl, or alkylaryl groups,  $X_{1-4}$  are halogens,  $a'$ ,  $b'$ ,  $c'$ , and  $d'$  are 0-4, UE is an unsaturated ester group,  $e$ ,  $f$ ,  $g$ , and  $h$  are 0-4, at least one of  $e$ ,  $f$ ,  $g$ , and  $h$  is  $\geq 1$  in at least some monomers, SE is a saturated ester group,  $i$ ,  $j$ ,  $k$ , and  $m$  are 0-4, at least

one of i, j, k, and m is  $\geq 1$  in at least some monomers,  $a'+e+i \leq 4$ ,  $b'+f+j \leq 4$ ,  $c'+g+k \leq 4$ ,  $d'+h+m \leq 4$ , RX represents the total number of haloalkyl groups in the polymer, the ratio of UE groups to SE groups to RX groups in the polymer is

$$v_{\epsilon}:\sigma_{\epsilon}:p_{\chi}$$

wherein  $v_{\epsilon}$  is from about 1 to about 99.99, wherein  $\sigma_{\epsilon}$  is from about 0.01 to about 99, wherein  $p_{\chi}$  is from 0 to about 50, and wherein  $v_{\epsilon}+\sigma_{\epsilon}+p_{\chi}=100$ .